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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/023,125	12/17/2001	Jong Hyun Yoo	5730/AMI-01-25

CONFIRMATION NO. 4585

Patent Counsel, Applied Materials, Inc.
Legal Affairs Dept.
P.O. Box 450A
Santa Clara, CA 95052



FORMALITIES LETTER



OC000000007512843

Date Mailed: 02/21/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The signature of the following inventor(s) is missing from the oath or declaration:
Jong Hyun Yoo, Chiliang Chen
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

A copy of this notice MUST be returned with the reply.

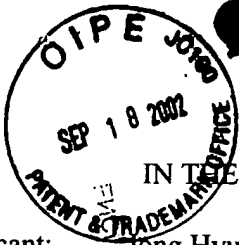
Wesley Miller

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

09/19/2002 HBIZUNES 00000059 501074 10023125

01 FC:105 130.00 CH



Atty. Docket 5730 USA/TCG/WCVD/BG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jong Hyun YOO et al

Assignee: APPLIED MATERIALS, INC.

Title: PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS

Serial No.: 10/023,125

Filed: 12/17/2001

Group Art Unit: 1765

Confirmation Number: 4585

Attorney Docket No.: 5730 USA/TCG/WCVD/BG

Santa Clara, California

Box: MISSING PARTS
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

**RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION -
FILING DATE GRANTED**

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on **February 21, 2002** the following documents are enclosed to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by the inventors in compliance with 37 CFR 1.63 (20 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted.

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account **50-1074**;

- | | |
|---|-------|
| 1. Filing Fee - Original Patent Application (37 CFR 1.16(a)) | \$**. |
| 2. Fees for claims | |
| <input type="checkbox"/> Each independent claim in excess of 3 (37 CFR 1.16(f)) | \$**. |
| <input type="checkbox"/> Each claim in excess of 20 (37 CFR 1.16(c)) | \$**. |
| <input type="checkbox"/> Each multiple dependent claim (37 CR 1.16(d)) | \$**. |
| <input type="checkbox"/> Late Payment of filing fee - (37 CFR 1.16(e)) | \$**. |

Total Completion Fees \$**.

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

Extension (Months) Fee for other than Small Entity

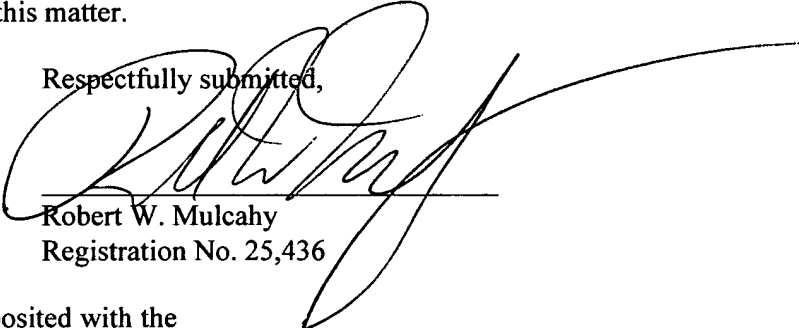
<input type="checkbox"/>	One Month	\$110.00
<input type="checkbox"/>	Two Months	\$400.00
<input type="checkbox"/>	Three Months	\$920.00
<input type="checkbox"/>	Four Months	\$1,440.00
<input checked="" type="checkbox"/>	Five Months	\$1,960.00

If an additional extension of time is required, please consider this a petition therefor.

4. Late filing of original declaration or oath (37 CFR 1.16(e)) \$130.00
5. Total fees due from items 1-4: **\$2,090.00**
6. The Commissioner is hereby authorized to charge total fees due and any additional fees which may be required, or credit any overpayment, to Deposit Account No. **50-1074**.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of **December 17, 2001**. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

Respectfully submitted,


Robert W. Mulcahy
Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

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Commissioner for Patents
Washington, D.C. 20231

on 9/12/02


Sheri Griffin